

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	09/720132.app.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/04 15:46
S2	16	OFDM and FFT and IFFT and (exceed\$3 or large\$3 or great \$3 or above\$3) with (threshold \$3 or level\$3) with zero\$3 with signal and @ad<"20040705"	US-PGPUB; USPAT	OR	ON	2008/11/24 16:07
S3	48	OFDM and FFT and IFFT and (exceed\$3 or large\$3 or great \$3 or above\$3) with (threshold \$3 or level\$3) with zero\$3 and @ad<"20040705"	US-PGPUB; USPAT	OR	ON	2008/11/24 16:07
S4	6	OFDM and FFT and IFFT and ((exceed\$3 or large\$3 or great \$3 or above\$3) with (threshold \$3 or level\$3) with zero\$3 ) same (DFT or FFT) and @ad<"20040705"	US-PGPUB; USPAT	OR	ON	2008/11/24 16:18
S5	6	OFDM and ((exceed\$3 or large \$3 or great\$3 or above\$3) with (threshold\$3 or level\$3) with zero\$3 ) same (DFT or FFT) and @ad<"20040705"	US-PGPUB; USPAT	OR	ON	2008/11/24 16:19
S6	1400	OFDM and ((cycli\$3 near3 prefix \$3) or (CP\$3) or (guard\$ near3 interval\$3) or (preamble\$3) or pilot\$3) and FFT and IFFT and @ad<"20040705"	US-PGPUB; USPAT	OR	ON	2008/11/25 09:37
S7	2	((exceed\$3 or large\$3 or great \$3 or above\$3) with (threshold \$3 or level\$3) with (replace\$3 or sub\$stitu\$7 or insert\$3 or set \$7 ) with zero\$3 ) same (DFT or FFT) and S6	US-PGPUB; USPAT	OR	ON	2008/11/25 09:38
S8	0	"US-20060116095".pdid.	US-PGPUB; USPAT	OR	ON	2008/11/25 09:56
S9	0	US-20060116095.pdid.	US-PGPUB; USPAT	OR	ON	2008/11/25 09:56
S10	1	10/517937.app.	US-PGPUB; USPAT	OR	ON	2008/11/25 09:57
S11	0	("2007/0153673").URPN.	USPAT	OR	ON	2008/11/25 10:08
S12	10	(TOMISATO near3 Shigeru).in.	USPAT	OR	ON	2008/11/25 10:10

S13	19	interpolate\$3 with time with frequenc\$3 with (FFT or dft)	US-PGPUB; USPAT	OR	ON	2008/11/25 10:52
S14	10	interpolate\$3 with time with frequenc\$3 with (FFT or dft) and @ad<"20040705"	US-PGPUB; USPAT	OR	ON	2008/11/25 10:52
S16	102	(detect\$3 with disturb\$7).ti. and @ad<"20040705"	US-PGPUB; USPAT	OR	ON	2008/11/25 10:56
S17	7	(detect\$3 with disturb\$7 with signal).ti. and @ad<"20040705"	US-PGPUB; USPAT	OR	ON	2008/11/25 10:57
S18	0	((FFT or dft) with interploate\$3) and (window\$3 with pilot\$3) and @ad<"20040705"	US-PGPUB; USPAT	OR	ON	2008/11/25 11:51
S19	0	((FFT or dft) with interploate\$3) and (window\$3 same pilot\$3) and @ad<"20040705"	US-PGPUB; USPAT	OR	ON	2008/11/25 11:51
S20	0	((FFT or dft) with interploate\$3) and @ad<"20040705"	US-PGPUB; USPAT	OR	ON	2008/11/25 11:51
S21	0	((FFT or dft) with interpolate\$3) and (window\$3 with pilot\$3) and @ad<"20040705"	US-PGPUB; USPAT	OR	ON	2008/11/25 11:52
S22	204	((FFT or dft) with interpolate\$3) and @ad<"20040705"	US-PGPUB; USPAT	OR	ON	2008/11/25 11:52
S23	29	((FFT or dft) with interpolate\$3) and pilot\$3 and @ad<"20040705"	US-PGPUB; USPAT	OR	ON	2008/11/25 11:53
S24	9	((FFT or dft) with interpolate\$3) and pilot\$3 and window\$3 and @ad<"20040705"	US-PGPUB; USPAT	OR	ON	2008/11/25 11:53
S25	648	inverse near3 window\$7	US-PGPUB; USPAT	OR	ON	2008/11/25 12:06
S26	73	inverse\$3 near3 window\$7 with (fft or dft)	US-PGPUB; USPAT	OR	ON	2008/11/25 12:07
S27	10	inverse\$3 near3 window\$7 with multipl\$7 with (fft or dft)	US-PGPUB; USPAT	OR	ON	2008/11/25 12:10
S28	0	license\$3 with un\$license and (up\$stream or down\$stream) with different\$3 with band\$3 and @ad<"20020311"	US-PGPUB; USPAT	OR	ON	2008/11/25 12:46
S29	1	license\$3 with un\$license and @ad<"20020311"	US-PGPUB; USPAT	OR	ON	2008/11/25 12:46
S30	1	license\$3 same un\$license and @ad<"20020311"	US-PGPUB; USPAT	OR	ON	2008/11/25 12:47
S31	0	base\$station\$3 with (receive\$3 or transmission or transmit\$7) with frequenc\$3 with (license\$3 or un\$license) and @ad<"20020311"	US-PGPUB; USPAT	OR	ON	2008/11/25 12:48

S32	0	base\$station\$3 with (receive\$3 or transmission or transmit\$7) with frequenc\$3 with (license\$3 or un\$license\$3) and @ad< "20020311"	US-PGPUB; USPAT	OR	ON	2008/11/25 12:49
S33	157	base\$station\$3 with (receive\$3 or transmission or transmit\$7) with frequenc\$3 and @ad< "20020311"	US-PGPUB; USPAT	OR	ON	2008/11/25 12:49
S34	0	(licens\$3 with bands) and S33	US-PGPUB; USPAT	OR	ON	2008/11/25 12:50
S35	2	(free with bands) and S33	US-PGPUB; USPAT	OR	ON	2008/11/25 12:51
S36	150	(first and second) and S33	US-PGPUB; USPAT	OR	ON	2008/11/25 12:53
S37	43	(first and second) near3 frequenc\$5 and S33	US-PGPUB; USPAT	OR	ON	2008/11/25 12:53
S38	32	(first and second) near3 frequenc\$5 and band\$3 and S33	US-PGPUB; USPAT	OR	ON	2008/11/25 12:53
S39	0	(first and second) near3 frequenc\$5 and band\$3 and UNII and S33	US-PGPUB; USPAT	OR	ON	2008/11/25 12:56
S40	299	UNII	US-PGPUB; USPAT	OR	ON	2008/11/25 12:56
S41	1	S40 and S33	US-PGPUB; USPAT	OR	ON	2008/11/25 12:57
S42	1	license\$3 and un\$license and @ad< "20020311"	US-PGPUB; USPAT	OR	ON	2008/11/25 13:32
S43	688	license\$3 and un\$license\$3 and @ad< "20020311"	US-PGPUB; USPAT	OR	ON	2008/11/25 13:32
S44	5	OFDM and FFT and IFFT and ((small\$3 or less) with (threshold\$3 or level\$3) with zero\$3 ) same (DFT or FFT) and @ad< "20040705"	US-PGPUB; USPAT	OR	ON	2008/12/01 09:18
S46	2	interpolate\$3 with (subtract\$7 or differen\$7) same pilot\$3 same (FFT or DFT) and @ad< "20040705"	US-PGPUB; USPAT	OR	ON	2008/12/01 10:09
S47	29	interpolate\$3 with (subtract\$7 or differen\$7) same pilot\$3 and @ad< "20040705"	US-PGPUB; USPAT	OR	ON	2008/12/01 10:10
S48	690	interpolate\$3 with (estimat\$7 or calcula\$7) with differen\$7 and @ad< "20040705"	US-PGPUB; USPAT	OR	ON	2008/12/01 10:19
S49	486	interpolate\$3 near3 differen\$7 near3 between and @ad< "20040705"	US-PGPUB; USPAT	OR	ON	2008/12/01 10:22

S50	0	interpolate\$3 near\$3 differen\$7 near\$3 between and @ad< "20040705" and "370". cls.	US-PGPUB; USPAT	OR	ON	2008/12/01 10:23
S51	100	interpolate\$3 adj\$3 differen\$7 adj\$3 between and @ad< "20040705"	US-PGPUB; USPAT	OR	ON	2008/12/01 10:25
S52	1	10/517937.app.	US-PGPUB; USPAT	OR	ON	2008/12/01 12:03
S53	2	interpolate\$3 with pilot\$3 with arrange\$7 and @ad< "20040705"	US-PGPUB; USPAT	OR	ON	2008/12/01 12:12
S54	1	interpolate\$3 with pilot\$3 with rule\$3 and @ad< "20040705"	US-PGPUB; USPAT	OR	ON	2008/12/01 12:13
S55	19	interpolate\$3 with base\$3 near\$3 pilot\$3 and @ad< "20040705"	US-PGPUB; USPAT	OR	ON	2008/12/01 12:14
S56	2	interpolate\$3 with base\$3 near\$3 pilot\$3 with (rule\$3 or arrang\$7 or position\$3) and @ad< "20040705"	US-PGPUB; USPAT	OR	ON	2008/12/01 12:20
S57	19	interpolate\$3 with pilot\$3 with (rule\$3 or arrang\$7 or position \$3) and @ad< "20040705"	US-PGPUB; USPAT	OR	ON	2008/12/01 12:23
S59	0	(FFT or DFT) same divid\$3 and soft\$decision\$ same distance\$3 same like\$hood and error with correct and @ad< "20040705"	US-PGPUB; USPAT	OR	ON	2008/12/01 14:03
S60	0	(FFT or DFT) and soft\$decision\$ same distance\$3 same like \$hood and error with correct and @ad< "20040705"	US-PGPUB; USPAT	OR	ON	2008/12/01 14:03
S61	7	soft\$decision\$ same distance\$3 same like\$hood and error with correct and @ad< "20040705"	US-PGPUB; USPAT	OR	ON	2008/12/01 14:04
S62	2	10/162891.app.	US-PGPUB; USPAT	OR	ON	2008/12/01 14:06
S63	6	soft\$decision\$ same distance\$3 same error with correct and @ad< "20040705"	US-PGPUB; USPAT	OR	ON	2008/12/01 14:19
S64	13	soft\$decision\$ same distance\$3 same transmit\$7 same receive \$3 and @ad< "20040705"	US-PGPUB; USPAT	OR	ON	2008/12/01 14:27
S66	0	base\$station\$3 with (receive\$3 or transmission or transmit\$7) with frequenc\$3 with (license\$3 or un\$license) and @ad< "20020311" and 370/310,315,316,319.ccls.	US-PGPUB; USPAT	OR	ON	2008/12/01 15:52

S67	0	(FFT or DFT) same divid\$3 and soft\$decision\$ same distance\$3 same like\$hood and error with correct and @ad<"20040705" and 370/310,315,316,319.ccls.	US-PGPUB; USPAT	OR	ON	2008/12/01 15:52
S68	0	(FFT or DFT) same divid\$3 and soft\$decision\$ same distance\$3 same like\$hood and error with correct and @ad<"20040705" and 375/130,140,147.ccls.	US-PGPUB; USPAT	OR	ON	2008/12/01 15:53
S69	0	(TOMISATO near3 Shigeru).in. and (threshold and disturbing). clm.	USPAT	OR	ON	2008/12/01 15:54
S73	13	inverse near3 window and ofdm and (fft or ifft)	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/18 10:17
S74	1	10/567893.app.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/18 10:19
S75	5	(phase or frequency) with zero \$crossing with (pilot or reference) and "370"/310-350. ccls. and @ad<"20060209"	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/22 15:16
S76	30	substitut\$3 near3 zero with threshold and @ad<"20040705"	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/22 15:18
S77	0	ofdm and (fft or ifft) and S76	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/22 15:19
S78	3257	substitut\$3 near3 zero and @ad<"20040705"	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/22 15:19
S79	11	ofdm and (fft or ifft) and S78	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/22 15:19
S80	136	(substitut\$3 or replace) near3 zero with (threshold or compar \$3 or (greater or less) near3 than or pre\$determin\$3) and @ad<"20040705"	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/22 15:24
S81	10	(substitut\$3 or replace) near3 zero with (threshold or compar \$3 or (greater or less) near3 than or pre\$determin\$3) and @ad<"20040705" and "370"/\$. ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/22 15:25
S82	1	(substitutes near3 zero and inverse near3 windowing).clm.	US-PGPUB	OR	ON	2009/06/22 15:27

S83	0	(substitut\$3 or replace) near3 zero with (threshold or compar\$3 or (greater or less) near3 than or pre\$determin\$3) and @ad<"20040705" and 370/343.ccls.\	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/22 15:30
S84	0	(substitut\$3 or replace) near3 zero with (threshold or compar\$3 or (greater or less) near3 than or pre\$determin\$3) and @ad<"20040705" and 370/343.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/22 15:30
S85	19	threshold with substitut\$3 near3 zero and @ad<"20020311"	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 09:57
S86	255774	inverse window\$3 with multipl\$3 with (fft or frequency)	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 10:28
S87	31	inverse near3 window\$3 with multipl\$3 with (fft or frequency)	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 10:29
S88	18	inverse near3 window\$3 with multipl\$3 with (fft or frequency) and @ad<"20020311"	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 10:30
S89	6	inverse near3 window\$3 with after with (fft or frequency) and @ad<"20020311"	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 11:41
S90	9	inverse near3 window\$3 with before with (fft or frequency) and @ad<"20020311"	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 11:44
S91	9	inverse near3 window\$3 with before with (ifft or frequency) and @ad<"20020311"	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 11:44
S92	31	inverse near3 window\$3 with (ifft or fft ) and @ad<"20020311"	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 11:48
S93	0	inverse near3 window\$3 with (ofdm ) and @ad<"20020311"	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 12:07
S94	7	inverse near3 window\$3 and (ofdm ) and @ad<"20020311"	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 12:07
S95	7	inverse near3 window\$3 and (ofdm ) and @ad<"20020311"	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 12:08
S96	1	"7173983".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 14:53
S97	744	interpolate\$3 with time with frequency	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 15:18

S98	16	interpolate\$3 with time with frequency with fft	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 15:18
S99	19	interpolate\$3 with time with frequency with (fft or ifft)	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 15:19
S100	23	interpolate\$3 with time with frequency with (fft or ifft or idft or dft)	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 15:19
S101	12	interpolate\$3 with time with frequency with (fft or ifft or idft or dft) and @ad<"20040705"	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/25 15:19
S102	176	OFDM and IFFT with pilot and @ad<"20040705"	US-PGPUB; USPAT	OR	ON	2010/01/04 13:30
S103	90	OFDM and IFFT with pilot and @ad<"20040705" and "370"/\$. ccls.	US-PGPUB; USPAT	OR	ON	2010/01/04 13:31

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